1. Write a Python Program to Display Fibonacci Sequence Using Recursion?

```
def recur_fibo(n):
   if n <= 1:
      return n
   else:
      return(recur_fibo(n-1) + recur_fibo(n-2))

nterms = 10

# check if the number of terms is valid
if nterms <= 0:
   print("Plese enter a positive integer")
else:
   print("Fibonacci sequence:")
   for i in range(nterms):
      print(recur_fibo(i))
```

2. Write a Python Program to Find Factorial of Number Using Recursion?

```
def recur_factorial(n):
   if n == 1:
      return n
 else:
      return n*recur_factorial(n-1)


num = 7


# check if the number is negative
if num < 0:
   print("Sorry, factorial does not exist for negative numbers")
elif num == 0:
   print("The factorial of 0 is 1")
else:
   print("The factorial of", num, "is", recur_factorial(num))
```

3. Write a Python Program to calculate your Body Mass Index?

```
height = float(input("Input your height in Feet: "))
weight = float(input("Input your weight in Kilogram: "))
print("Your body mass index is: ", round(weight / (height * height), 2))
```

4. Write a Python Program to calculate the natural logarithm of any number?

```
import math
print ("math.log(100.12) : ", math.log(100.12))
print ("math.log(100.72) : ", math.log(100.72))
print ("math.log(math.pi) : ", math.log(math.pi))
```

5. Write a Python Program for cube sum of first n natural numbers?

```
def sumOfSeries(n):
  sum = 0
  for i in range(1, n+1):
    sum +=i*i*i
  return sum
# Driver Function
n = 3
print(sumOfSeries(n))
```